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SPECIFICATIONS & PROPOSALS

FOR

MATERIAL AND INSTALLATION

MAIN SERVICE ENTRANCES

DEPARTMENT OF AGRICULTURE  
U. S. RURAL ELECTRIFICATION ADMINISTRATION  
WASHINGTON, D. C.

APRIL, 1941

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MATERIAL AND INSTALLATION SPECIFICATIONS  
For  
MAIN SERVICE ENTRANCE INSTALLATIONS

These Specifications are divided into two parts for convenience and reference, as follows:

- Part I. -- Specifications for Materials.
- Part II. -- Specifications for Installation.

The Specifications are presumably correct, but complete accuracy is not guaranteed. Notes, figures, and writing on the Drawings must be strictly followed, as they constitute a part of the Specifications. Should any error or ambiguity be discovered in the Drawings or in the Specifications, the Contractor shall report the same to the Engineer or Superintendent before starting the work. In the event of a disagreement as to the true intent and meaning of the Specifications, which shall not be adjusted between the Superintendent and the Contractor, such disagreement shall be referred to the Administrator, and his decision shall be final and conclusive.

Part I. -- Specifications for Materials.

GENERAL.

This part of the Specifications describes the types, sizes, and characteristics of the various materials required for the main service entrance installation as shown on the Drawings attached.

All materials used shall conform to the requirements of the Underwriters Laboratories, Inc., and, if such materials have been approved by the Underwriters Laboratories, Inc., they shall carry Underwriters Laboratories' label or listing of approval.

Alternative or equivalent materials specified in any Contractor's Proposal will be considered if detailed information to show that such materials will comply with these Specifications is furnished by the Bidder. Full data, including dimension drawings and photographs, shall be submitted on all new or special equipment.

HARDWARE.

Service Head. -- The Service Head shall either be of the "weather-head" or the "gooseneck service cable head" type. The "weather-head" type shall be of corrosion-resistive metal or well galvanized or otherwise properly coated with a resisting material, inside and outside, to prevent corrosion. Each "weather-head" shall be equipped with a wet-process porcelain or approved composition bushing having three or five openings, as required, so located that snow or rain cannot enter the fitting. The "weather-head," if used with service entrance cable, shall be provided with a clamp for the proper size cable, or, if used with rigid conduit, it shall be threaded. The "gooseneck" type shall be of a corrosion-resistive metal or well galvanized or otherwise properly coated with a resisting material, inside and outside, to prevent corrosion. Each "gooseneck" type service head shall be so constructed as to protect the outer diameter of the service entrance cable on the gooseneck bend, and shall be capable of being securely mounted to the building surface with one lag screw or expansion bolt. Each "gooseneck" type service head shall be provided with two clamps of the proper size to hold securely the



service entrance cable in its proper position. Service Entrance cable, when used with "gooseneck" type service head shall be taped and painted.

Sill Plates. - These shall be of the compound filled type giving a water-tight seal around the cable when properly attached to a flat surface. Metal shall be of corrosion-resistive metal, or well galvanized or otherwise properly coated with corrosive-resisting material to prevent corrosion.

Cable Straps. - These shall be malleable metal straps, effectively coated so as to be corrosion-resistive, and designed to hold cable securely to wall using a single screw (or expansion bolt) per clamp.

Service Entrance Cable Connectors. - Connectors for attaching entrance cable to meter shall be of indoor type with nut and bushing with connector fastened to cable with a split type cable clamp.

Conduit. - Conduit shall be rigid steel conduit or electrical metallic tubing bearing Underwriters Laboratories' approval, being galvanized or sherardized.

Conduit Fittings. - These shall be of corrosion-resistive metal or shall be well galvanized or otherwise properly coated, inside and out, to prevent corrosion and must be threaded type.

#### GALVANIZING.

All steel parts shall be hot dip galvanized in conformity with A.S.T.M. Specification 153-33T or shall have an equivalent coating of corrosion-resistive treatment.

#### GROUND ASSEMBLY.

Ground Rod. - Rods shall be of hard-drawn copper, copperweld, or equivalent nonrusting material.

Ground Rod Clamp. - Clamps shall be of copper, bronze, or equivalent nonrusting material.

Ground Wire. - Wire shall be of soft-drawn solid copper, and not less than No. 6 A.W.G.

Staples. - Staples for wire shall be galvanized steel or equivalent of suitable size and length.

#### CONDUCTORS.

The conductors shall be #8 or larger, Type RP, as specified in 1940 National Electrical Code and approved by the Underwriters Laboratories, Inc.

Jumpers. - All neutral jumpers shall be of bare No. 6 or large S.D. Copper.

Service Entrance Cable. - All service entrance cable shall be Type SE Style U approved by the Underwriters Laboratories, Inc.

#### CONNECTORS.

Connectors shall be standard split bolt distribution line type of non-rusting material.

## PART II. -- SPECIFICATIONS FOR INSTALLATION

#### GENERAL.

This part of the Specifications describes the construction and engineering methods to be employed in installing the Main Service Entrances as shown on the drawings.

All work must be installed in accordance with the National Electrical Code (regulation of the National Board of Fire Underwriters) and any local or State laws in existence at the time of installation.

All work shall be done in a thorough and workmanlike manner in accordance with the Specifications and Drawings, and shall be subject to the acceptance of the Superintendent and the Administrator. Deviations from the Specifications and Drawings shall not be permitted except upon the written permission of the Superintendent given with the approval of the Administrator.



#### SCOPE:

The Specifications cover the installation of Main Service Entrances for the rural electric transmission or distribution system designated by the Rural Electrification Administration as \_\_\_\_\_.

Said service entrance installations consist of groups of 25 or more service entrance installation assembly units.

The System is located in the county or counties of \_\_\_\_\_

State of \_\_\_\_\_

All of the above is as included within the terms of the Loan Contract.

#### DRAWINGS.

The Drawings, showing the types of construction to be used for the various conditions, are attached separately hereinafter and are part of these Specifications.

#### GROUND WIRE.

From the point of connection with the neutral service wire the ground wire shall extend continuously through the clamps which support the service cable to the ground rod to which it shall be firmly clamped.

If on pole meter loops, ground wire shall be connected to neutral terminal of meter and extended to ground electrode as shown on Drawing.

#### GROUNDING.

Ground rods shall be driven full length in undisturbed earth at least 2 feet from the pole or building and the tops shall be at least 12 inches below the surface of the earth. The trench and ground rod hole will be back filled and firmly tamped.

#### MAIN SERVICE ENTRANCE LOCATION.

The Contractor will be required to obtain approval of the main service entrance location, whether on yard pole or residence, from an authorized agent of the Owner whose action shall have the approval of the property owner.

#### MAIN SERVICE ENTRANCE ON RESIDENCE.

Each Main Service Entrance on a residence shall be located as near the kitchen as possible and shall be in such position to conform to provisions made by high line construction contractor for service drop to premises.

In the event the house wiring has been completed prior to the installation of the Main Service Entrance on residence, the service entrance and service switch must be located in such position as to conform to the termination of the house branch circuits. Service entrance wires, ground wire, etc., must be located at least 5 feet, if possible, from all doors or windows.

Unit prices for main service entrance installations on residence will be complete (except meters and service equipment enclosures) including ground rod, ground wire, ground clamp, service entrance cable, weatherproof service head, sill plate, supports, clamps, inspection, etc. Each conductor of the cable shall extend beyond the service head and form drip loop when connecting to service drop. The bottom of the drip loop shall be not less than 6 inches below the service head.

Grounding conductor shall be connected to service drop neutral near wire holder, thence run down to ground on outside of building wall and connect to ground electrode by means of approved type copper clamps. No soldering of copper straps will be permitted. Grounding conductor will be securely fastened in place along side service cable both within the cable straps, which shall be spaced not to exceed 4.5 feet. Owner will furnish meter and service equipment enclosures switch, but unit bid will include obtaining this equipment from the Owner's office, installing and connecting same to service entrance cable.

The Specifications cover the installation of Main Service Stations and the related electric transmission or distribution system designated by the Station Administration as a Main Service Station. This station shall be a self-contained unit consisting of a power source and a service entrance installation consisting of a group of 25 or more service entrances. The system is located in the country or outside of the city.

Article 1

All of the above is as indicated within the terms of the Main Contract.

Article 2

The drawings, showing the types of construction to be used for the various conditions, are attached herewith, hereinafter and are part of these Specifications.

Article 3

From the date of completion with the service entrance wire the ground wire shall extend continuously through the design which supports the service cable to the ground rod in which it shall be firmly attached.

Article 4

Ground rods shall be 1/2 inch diameter and shall be installed at least 10 feet from the pole or building and the wire shall be at least 12 inches below the surface of the earth. The ground rod shall be connected to the service entrance wire by a wire of the same size.

Article 5

The service entrance wire shall be installed in a raceway or conduit and shall be protected by a fuse or circuit breaker. The service entrance wire shall be installed in a raceway or conduit and shall be protected by a fuse or circuit breaker.

Article 6

The service entrance wire shall be installed in a raceway or conduit and shall be protected by a fuse or circuit breaker. The service entrance wire shall be installed in a raceway or conduit and shall be protected by a fuse or circuit breaker.

In the case of a service entrance wire, the service entrance wire shall be installed in a raceway or conduit and shall be protected by a fuse or circuit breaker. The service entrance wire shall be installed in a raceway or conduit and shall be protected by a fuse or circuit breaker.

When a service entrance wire is installed in a raceway or conduit, the service entrance wire shall be protected by a fuse or circuit breaker. The service entrance wire shall be installed in a raceway or conduit and shall be protected by a fuse or circuit breaker.

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#### MAIN SERVICE ENTRANCE ON YARD POLE.

Unit prices for main service entrance on yard pole, which will be referred to as "Yard Pole Meter Loop," shall be given for three separate sizes:

1. Four No. 6 A.W.G. insulated Type R.P. and one No. 6 A.W.G. bare in  $1\frac{1}{4}$ -inch rigid conduit.
2. Four No. 4 A.W.G. insulated Type R.P. and one No. 6 A.W.G. bare in  $1\frac{1}{4}$ -inch rigid conduit.
3. Four No. 2 A.W.G. insulated Type R.P. and one No. 6 A.W.G. bare in  $1\frac{1}{2}$ -inch rigid conduit.

Each unit price will include labor, service conductors, conduit, weather-proof service head, grounding conductor, ground electrode, ground clamps, bushings, conduit fittings, supports, etc., and all incidentals to make a complete installation as shown on the Drawing. Meter loop will consist of five wires in conduit, as follows: Two insulated and one bare neutral on line side of meter and two insulated on load side. Neutral of service shall be connected to neutral terminal of meter, and thence continuously without splicing shall be extended through bushing in bottom meter opening to ground.

All conductors shall be extended beyond service head to form drip loop connections to building feeders and service drop. The bottom of the drip loop shall be not less than 6 inches below the service head.

#### TESTING AND INSPECTION.

Each service entrance shall be tested for and left free of all grounds, shorts, etc. Contractor will be required to obtain and furnish to the Owner a certificate of inspection and approval in duplicate from the authorized wiring inspector on the project, and to include the cost of each such inspection in the bid price for the assembly unit.

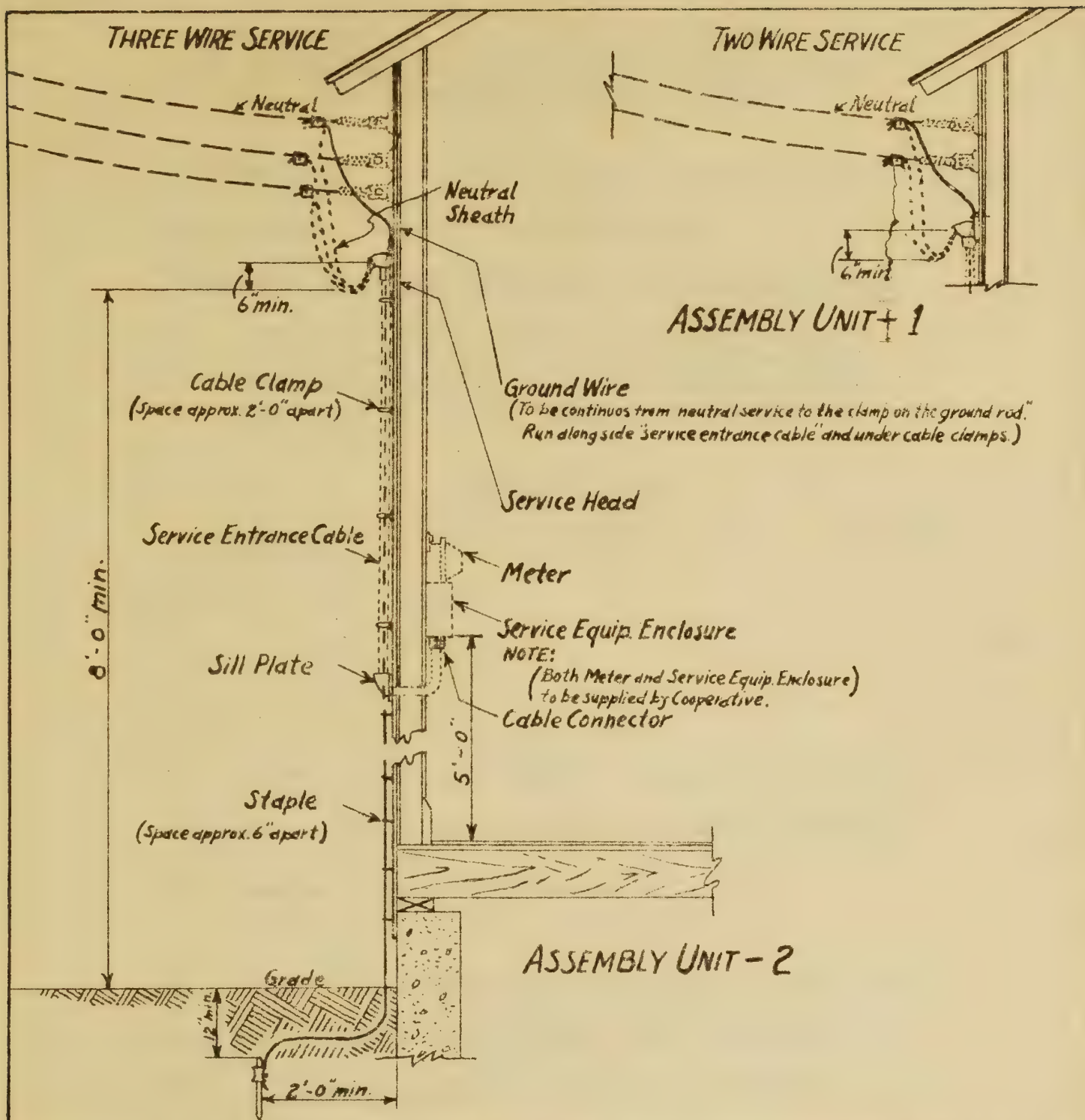
THOSE THAT NO REMARKS WERE MADE

to as "Yard 1015 Master Loop," shall be given for three separate entries.

1. Four No. 6 A.W.G. insulated Type K.T. and one No. 6 A.W.G. bare 1/2-inch right conductor.  
2. Four No. 4 A.W.G. insulated Type H.T. and one No. 4 A.W.G. bare 1/2-inch right conductor.  
3. Four No. 2 A.W.G. insulated Type H.T. and one No. 2 A.W.G. bare 1/2-inch right conductor.  
4. Four No. 1 A.W.G. insulated Type H.T. and one No. 1 A.W.G. bare 1/2-inch right conductor.

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MATERIAL	NUMBER REQ'D		MATERIAL	NUMBER REQ'D	
	1	2		1	2
Clamp, cable, with screws	as req'd.	as req'd.	Ground Wire, with staples	as req'd.	as req'd.
Clamp, ground rod	1	1	Service head	1	1
Connector, service cable	1	1	Sill plate, with sealing compound	1	1
Cable, Service Entrance	as req'd.	as req'd.			
Ground rod, $\frac{1}{2}$ " x 8'-0" lg.	1	1			
<b>SERVICE ENTRANCE INSTALLATION (RESIDENCE)</b>					
Scale: N.T.S.			DATE:		



INSTRUCTIONS FOR INSTALLATION OF OUTSIDE METERS  
AND INSIDE CIRCUIT BREAKER ASSEMBLIES

On installations using outside meters and inside circuit breakers the following instructions should be noted.

Proposal to Furnish and Install Main Service Entrances.

Refer to Page 2, Residence Units under Assembly Units should be designated as Unit #1A and #2A. This change also applies to the additional cable in excess of 8 feet. The proper form would be as follows:

RESIDENCE UNITS

<u>Assembly</u>			<u>Unit Price</u>
<u>No. of Units</u>	<u>Unit</u>	<u>Size</u>	
_____	#1A	8-2	_____ each
_____	#2A	6-3	_____ each

For each foot of entrance cable in excess of 8' required on any service the unit prices shall be increased as follows:

No. 1A \_\_\_\_\_: No. 2A \_\_\_\_\_.

All circuit breaker units must be the type approved by the Technical Standards Division, REA. The cooperative is to order all breaker assemblies through Group Purchase Plan as provided by the Cooperatives' Operations Division.

INSTRUCTIONS FOR INSTALLATION OF THE UNIT  
AND THE POWER SUPPLY

1. The unit should be installed in a dry, well-ventilated area.

2. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

3. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

4. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

5. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

6. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

7. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

8. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

9. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

10. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

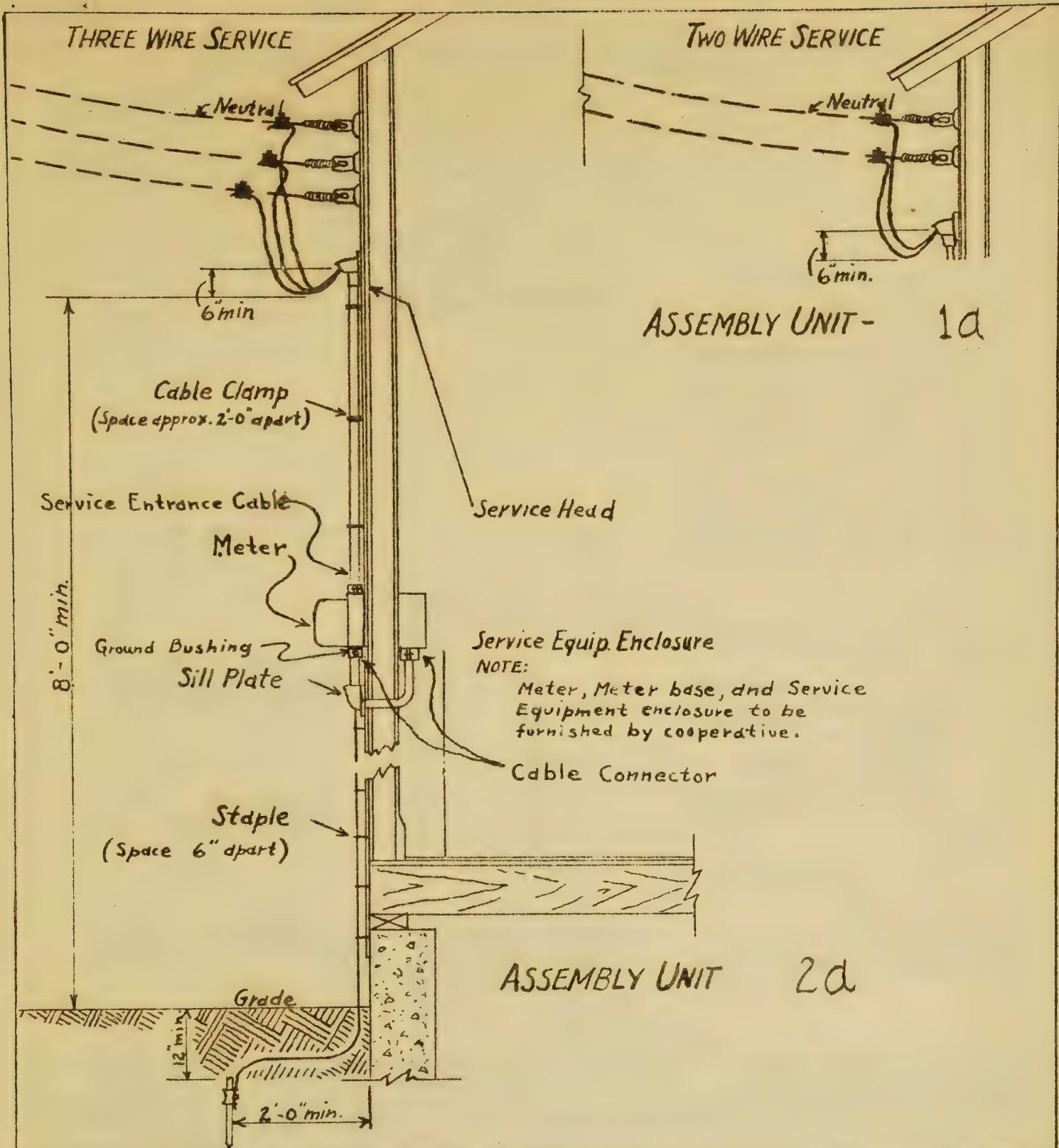
11. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

12. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

13. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

14. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.

15. The unit should be installed in a location where it will not be exposed to direct sunlight or rain.



MATERIAL	NUMBER REQD.		MATERIAL	NUMBER REQD.	
	1	2		1	2
Clamp, Cable with screws	ds reqd.	ds reqd.	Ground Wire with staples	ds reqd.	ds reqd.
Clamp, ground rod	1	1	Service head	1	1
Connector, Service Cable	1	1	Sill plate, with sealing compound	1	1
Connector, watertight	2	2	Copperweld Ground Rod - $\frac{1}{2}$ " x 8'-0"	1	1
Cable, Service Entrance	ds reqd.	ds reqd.	Ground Bushing	1	1

### SERVICE ENTRANCE INSTALLATION (RESIDENCE)

Scale: N.T.S.

DATE:

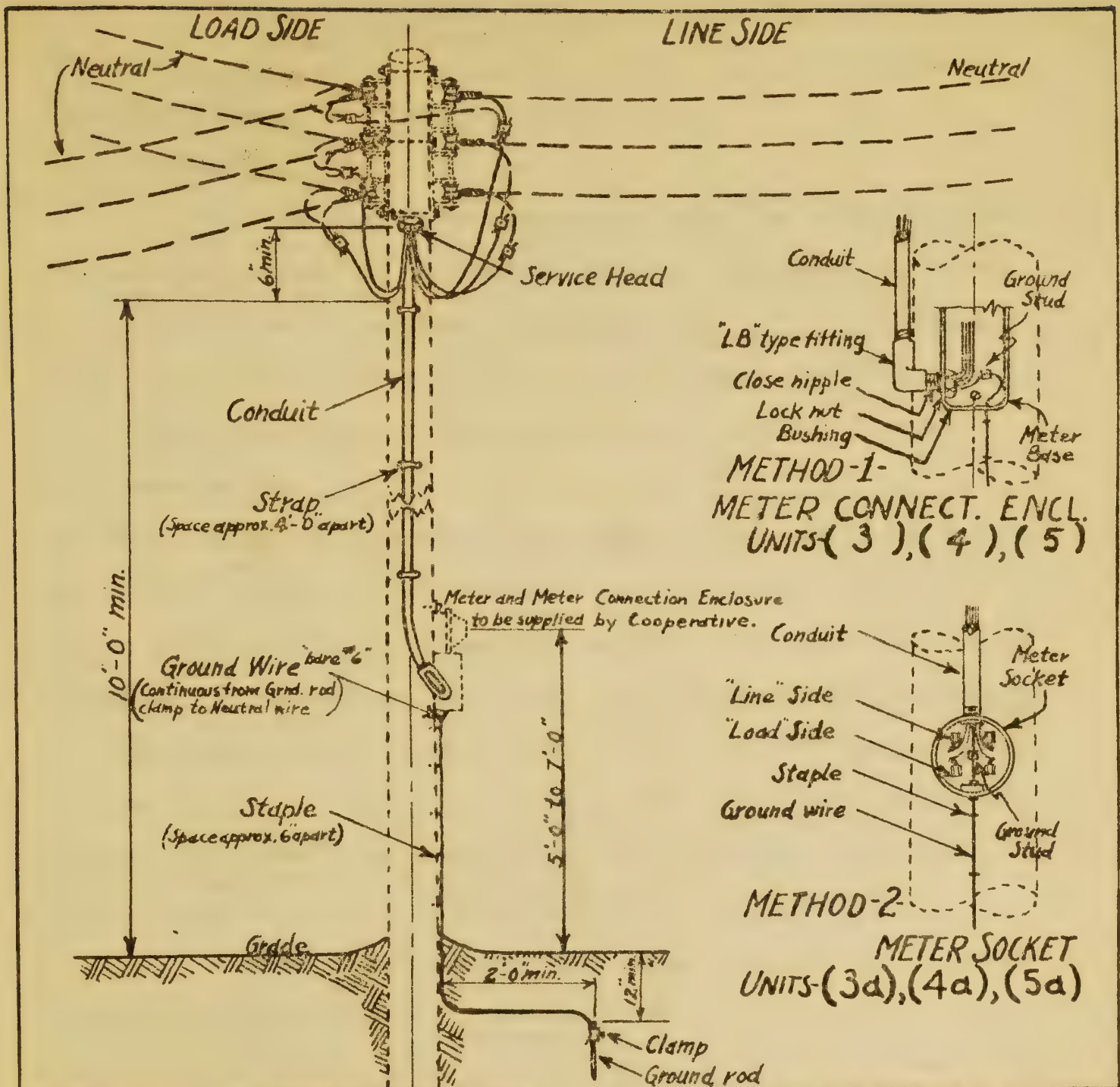
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MATERIAL	NUMBER REQUIRED & SIZE						MATERIAL	NUMBER REQUIRED & SIZE					
	3	3a	4	4a	5	5a		3	3a	4	4a	5	5a
Bushing	1, 1 1/4"		1, 1 1/4"		1, 1 1/2"		Ground wire with staple	1, #6	1, #6	1, #6	1, #6	1, #6	1, #6
Clamp, ground rod	1	1	1	1	1	1	Lock Nut	1, 1 1/4"		1, 1 1/4"		1, 1 1/2"	
Conductor	4, #6	4, #6	4, #4	4, #4	4, #2	4, #2	Nipple, close	1, 1 1/4"		1, 1 1/4"		1, 1 1/2"	
Conduit	1, 1 1/4"	1, 1 1/4"	1, 1 1/4"	1, 1 1/4"	1, 1 1/2"	1, 1 1/2"	Service head, 5 wire	1, 1 1/4"	1, 1 1/4"	1, 1 1/4"	1, 1 1/4"	1, 1 1/2"	1, 1 1/2"
Condulet, type "LB"	1, 1 1/4"		1, 1 1/4"		1, 1 1/2"		Strap, with screws	as	required				
Connector, solderless	as	required											
Ground rod, 1/2" x 8'-0"	1	1	1	1	1	1							

## SERVICE YARD POLE METER INSTALLATION

Scale N.T.S.

Date

10/10/1914

10/10/1914

10/10/1914

10/10/1914

10/10/1914

10/10/1914

10/10/1914

PROPOSAL TO FURNISH AND INSTALL MAIN SERVICE ENTRANCES

To \_\_\_\_\_  
(hereinafter called the "Owner").

1. **GENERAL**

(a) The undersigned (hereinafter called the "Bidder") proposed to furnish and install the main service entrances (hereinafter called the "Installations") to the premises of approximately \_\_\_\_\_ consumers of electric energy to be served through the rural electric distribution system of the Owner, which system is designated by the Rural Electrification Administration as \_\_\_\_\_.

The Installations are described in the Specifications, Description of Assembly Units and Drawings therefor attached hereto and made a part hereof. The Bidder agrees to furnish all materials, machinery, tools, equipment (except meters and service equipment enclosures, which the Owner shall furnish but the Bidder shall install), Labor, Transportation, and other means necessary therefor, for the prices hereinafter stated, and to make the Installations wherever directed so to do by the Owner. Such prices also include the amounts necessary to pay the fees for all testing and inspection.

(b) The Bidder understands and agrees that the various Assembly Units on which bids are made in this Proposal are as set out in the "Description of Assembly Units" attached hereto and made a part hereof, that all said bids are on a unit basis, and that the Owner may specify any number or combination of Assembly Units that the Owner, with the approval of the Administrator of the Rural Electrification Administration (hereinafter called the "Administrator") may deem necessary for the Installations.

(c) The Bidder has made a careful examination of the sites of the Installations and of the Specifications, Description of Assembly Units and Construction Drawings, and has become informed as to the location and

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nature of the proposed work, the transportation facilities, the kind and character of soil to be encountered and the kind of facilities required before and during the performance of the work and has become acquainted with the labor conditions which would affect the work.

(d) The Bidder proposes to install Assembly Units of the types and for the prices listed below:

RESIDENCE UNITS

Assembly

<u>No. of Units</u>	<u>Unit</u>	<u>Size</u>	<u>Unit Price</u>
_____	#1	8-2	_____ ea.
_____	#2	6-3	_____ ea.

Yard Pole Units

Method - 1

_____	#3	6-3	5-wire pole meter loop - 15'	_____ ea.
_____	#4	4-3	" " " " "	_____ ea.
_____	#5	2-3	" " " " "	_____ ea.

Method - 2

_____	#3A	6-3	5-wire pole meter loop - 15'	_____ ea.
_____	#4A	4-3	" " " " "	_____ ea.
_____	#5A	2-3	" " " " "	_____ ea.

Unit prices for each house service entrance are based on 8' of service entrance cable. For each foot of entrance cable in excess of 8' required on any service the unit prices shall be increased as follows:

No. 1 \_\_\_\_\_: No. 2 \_\_\_\_\_. For each foot of service in excess of 15' on pole meter loops, No. 3 \_\_\_\_\_: No. 4 \_\_\_\_\_: No. 5 \_\_\_\_\_.

(e) The Unit Prices set forth herein include all amounts which are or may be payable by the Bidder or the Owner on account of taxes imposed by any taxing authority upon the sale, purchase or use of materials, supplies or equipment to be incorporated in the work as part of such Assembly Units.

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Estimated 1900-1901 1902-1903 1904-1905 1906-1907 1908-1909 1910-1911 1912-1913 1914-1915 1916-1917 1918-1919 1920-1921 1922-1923 1924-1925 1926-1927 1928-1929 1930-1931 1932-1933 1934-1935 1936-1937 1938-1939 1940-1941 1942-1943 1944-1945 1946-1947 1948-1949 1950-1951 1952-1953 1954-1955 1956-1957 1958-1959 1960-1961 1962-1963 1964-1965 1966-1967 1968-1969 1970-1971 1972-1973 1974-1975 1976-1977 1978-1979 1980-1981 1982-1983 1984-1985 1986-1987 1988-1989 1990-1991 1992-1993 1994-1995 1996-1997 1998-1999 2000-2001 2002-2003 2004-2005 2006-2007 2008-2009 2010-2011 2012-2013 2014-2015 2016-2017 2018-2019 2020-2021 2022-2023 2024-2025 2026-2027 2028-2029 2030-2031 2032-2033 2034-2035 2036-2037 2038-2039 2040-2041 2042-2043 2044-2045 2046-2047 2048-2049 2050-2051 2052-2053 2054-2055 2056-2057 2058-2059 2060-2061 2062-2063 2064-2065 2066-2067 2068-2069 2070-2071 2072-2073 2074-2075 2076-2077 2078-2079 2080-2081 2082-2083 2084-2085 2086-2087 2088-2089 2090-2091 2092-2093 2094-2095 2096-2097 2098-2099 2100-2101 2102-2103 2104-2105 2106-2107 2108-2109 2110-2111 2112-2113 2114-2115 2116-2117 2118-2119 2120-2121 2122-2123 2124-2125 2126-2127 2128-2129 2130-2131 2132-2133 2134-2135 2136-2137 2138-2139 2140-2141 2142-2143 2144-2145 2146-2147 2148-2149 2150-2151 2152-2153 2154-2155 2156-2157 2158-2159 2160-2161 2162-2163 2164-2165 2166-2167 2168-2169 2170-2171 2172-2173 2174-2175 2176-2177 2178-2179 2180-2181 2182-2183 2184-2185 2186-2187 2188-2189 2190-2191 2192-2193 2194-2195 2196-2197 2198-2199 2200-2201 2202-2203 2204-2205 2206-2207 2208-2209 2210-2211 2212-2213 2214-2215 2216-2217 2218-2219 2220-2221 2222-2223 2224-2225 2226-2227 2228-2229 2230-2231 2232-2233 2234-2235 2236-2237 2238-2239 2240-2241 2242-2243 2244-2245 2246-2247 2248-2249 2250-2251 2252-2253 2254-2255 2256-2257 2258-2259 2260-2261 2262-2263 2264-2265 2266-2267 2268-2269 2270-2271 2272-2273 2274-2275 2276-2277 2278-2279 2280-2281 2282-2283 2284-2285 2286-2287 2288-2289 2290-2291 2292-2293 2294-2295 2296-2297 2298-2299 2300-2301 2302-2303 2304-2305 2306-2307 2308-2309 2310-2311 2312-2313 2314-2315 2316-2317 2318-2319 2320-2321 2322-2323 2324-2325 2326-2327 2328-2329 2330-2331 2332-2333 2334-2335 2336-2337 2338-2339 2340-2341 2342-2343 2344-2345 2346-2347 2348-2349 2350-2351 2352-2353 2354-2355 2356-2357 2358-2359 2360-2361 2362-2363 2364-2365 2366-2367 2368-2369 2370-2371 2372-2373 2374-2375 2376-2377 2378-2379 2380-2381 2382-2383 2384-2385 2386-2387 2388-2389 2390-2391 2392-2393 2394-2395 2396-2397 2398-2399 2400-2401 2402-2403 2404-2405 2406-2407 2408-2409 2410-2411 2412-2413 2414-2415 2416-2417 2418-2419 2420-2421 2422-2423 2424-2425 2426-2427 2428-2429 2430-2431 2432-2433 2434-2435 2436-2437 2438-2439 2440-2441 2442-2443 2444-2445 2446-2447 2448-2449 2450-2451 2452-2453 2454-2455 2456-2457 2458-2459 2460-2461 2462-2463 2464-2465 2466-2467 2468-2469 2470-2471 2472-2473 2474-2475 2476-2477 2478-2479 2480-2481 2482-2483 2484-2485 2486-2487 2488-2489 2490-2491 2492-2493 2494-2495 2496-2497 2498-2499 2500-2501 2502-2503 2504-2505 2506-2507 2508-2509 2510-2511 2512-2513 2514-2515 2516-2517 2518-2519 2520-2521 2522-2523 2524-2525 2526-2527 2528-2529 2530-2531 2532-2533 2534-2535 2536-2537 2538-2539 2540-2541 2542-2543 2544-2545 2546-2547 2548-2549 2550-2551 2552-2553 2554-2555 2556-2557 2558-2559 2560-2561 2562-2563 2564-2565 2566-2567 2568-2569 2570-2571 2572-2573 2574-2575 2576-2577 2578-2579 2580-2581 2582-2583 2584-2585 2586-2587 2588-2589 2590-2591 2592-2593 2594-2595 2596-2597 2598-2599 2600-2601 2602-2603 2604-2605 2606-2607 2608-2609 2610-2611 2612-2613 2614-2615 2616-2617 2618-2619 2620-2621 2622-2623 2624-2625 2626-2627 2628-2629 2630-2631 2632-2633 2634-2635 2636-2637 2638-2639 2640-2641 2642-2643 2644-2645 2646-2647 2648-2649 2650-2651 2652-2653 2654-2655 2656-2657 2658-2659 2660-2661 2662-2663 2664-2665 2666-2667 2668-2669 2670-2671 2672-2673 2674-2675 2676-2677 2678-2679 2680-2681 2682-2683 2684-2685 2686-2687 2688-2689 2690-2691 2692-2693 2694-2695 2696-2697 2698-2699 2700-2701 2702-2703 2704-2705 2706-2707 2708-2709 2710-2711 2712-2713 2714-2715 2716-2717 27

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The Bidder shall pay all such taxes and shall furnish to appropriate taxing authorities required information and reports pertaining thereto.

2. Time of Completion. Each Installation shall be commenced within ten (10) calendar days after the Owner shall have given the Bidder written notice to commence such Installation, shall be prosecuted diligently, and each Installation shall be completed to the satisfaction of the Owner and the Administrator within        calendar days after the giving of the notice. The time for completion shall be extended for the period of any reasonable delay due exclusively to causes beyond the control and without the fault of the Bidder, including acts of God, fires, floods and acts or omissions of the Owner with respect to matters for which the Owner is solely responsible; provided, however, that no such delay in the time for completion of the work or in the progress of the work shall result in any liability on the part of the Owner.

3. DEFECTIVE WORKMANSHIP AND MATERIALS. The acceptance of any workmanship, materials or equipment by the Owner shall not preclude the subsequent rejection thereof if such workmanship, materials or equipment shall be found to be defective after delivery or installation, and any such workmanship, materials or equipment found defective before final acceptance of the work or within one (1) year after completion shall be remedied or replaced, as the case may be, by and at the expense of the Bidder. In the event of failure by the Bidder so to do, the Owner may remedy such defective workmanship or replace such defective materials or equipment, as the case may be, and in such event the Bidder shall pay to the Owner the cost and expense thereof.

4. PAYMENTS AND RELEASE OF LIENS.

(a) Payment for each Installation shall be made within fifteen (15) days after a certificate of completion and approval has been given to the Owner by the Wiring Inspector authorized by the Administrator to make such inspection and approval of the invoice pertaining thereto by the Superintendent of the Owner.

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#### 4. PAYMENTS AND RELEASE OF LINES

(a) Payment for each installation shall be made ...

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(b) Upon the completion of the Installations by the Bidder but prior to the payment to the Bidder of any amount in excess of 90% of the total cost of all Assembly Units comprising the completed Installations, or at any other time specified by the Owner, with the approval of the Administrator, the Bidder shall deliver to the Owner in duplicate releases of all liens and rights to claim any lien, in a form satisfactory to the Administrator, from all manufacturers, materialmen and subcontractors furnishing services or materials for the Installations, and an affidavit, in a form satisfactory to the Administrator, to the effect that all labor used on or for the Installations has been paid and that all such releases have been submitted to the Owner; and the Owner shall deliver to the Administrator for the Administrator's approval one of the duplicates of each such release and affidavit.

(c) The Bidder shall pay each materialman and each subcontractor, if any, within five (5) days after receipt of any payment from the Owner, the amount thereof allowed the Bidder for and on account of materials furnished or work performed by each materialman or each subcontractor.

5. PROTECTION TO PERSONS AND PROPERTY. The Bidder shall at all times take all reasonable precautions for the safety of employees on the work and of the public and shall comply with all applicable provisions of federal, state and municipal safety laws and building and construction codes. All machinery and equipment and other physical hazards shall be guarded in accordance with the "Manual of Accident Prevention in Construction" of the Associated General Contractors of America, unless such instructions are incompatible with federal, state or municipal laws or regulations. The Bidder will hold the Owner harmless from any and all claims for injuries to persons or for damage to property happening by reason of any negligence on the part of the Bidder, or any of the Bidder's agents or employees during the work.

6. INSURANCE. If the number of consumers to be served as set forth in Paragraph 1 (a) above shall be in excess of \_\_\_\_\_, the Bidder will take out and



maintain insurance, satisfactory to the Administrator, in the following minimum requirements:

- (a) Public liability insurance in the limits of \$10,000 for injuries to or death of one person and \$20,000 for one accident, and property damage liability insurance in the limit of \$2,000 per accident and \$10,000 for accidents during the policy period, covering accidents resulting during the week other than by motor vehicles.
- (b) Public liability insurance in the same limits as set forth above under (a), and property damage liability insurance in the limit of \$5,000 covering accidents resulting from the operation of any motor vehicle used in connection with the work, whether or not owned by the Bidder.

7. PURCHASE OF MATERIALS. The Bidder will purchase all materials and supplies outright and not subject to any conditional sales agreement, bailment lease or other agreement reserving to the seller any right, title or interest therein. All materials and supplies shall become the property of the Owner when erected in place.

8. PATENT INFRINGEMENT. The Bidder will save harmless and indemnify the Owner from any and all claims, suits and proceedings for the infringement of any patent or patents covering any materials or equipment used in the work.

9. COMPLIANCE WITH STATUTES AND REGULATIONS.

(a) The Bidder will comply with all applicable statutes, ordinances, rules and regulations pertaining to the work. The Bidder acknowledges that it is familiar with the Rural Electrification Act of 1936 as amended, the so-called "Kick-back" Statute (48 Stat. 948), and regulations issued pursuant thereto, copy of which is attached hereto and made part hereof, and Section 35 of the United States Criminal Code as amended.

Insurance:

(a) Public liability insurance in the limit of \$10,000 for

injuries to or death of one person and \$50,000 for one

accident, and property damage liability insurance in the

limit of \$5,000 per accident and \$10,000 for each year

during the policy period covering accidents and

during the week other than a motor vehicle.

(b) Public liability insurance in the limit of \$10,000 for

injuries to or death of one person and \$50,000 for one

accident, and property damage liability insurance in the limit of

\$5,000 per accident and \$10,000 for each year

during the policy period covering accidents and

motor.

1. LIABILITY OF OWNERS. The owner of a motor vehicle shall be

liable for damages caused by the vehicle or its contents, whether or not

the vehicle is being operated by the owner, or by a person who is

operating the vehicle.

2. LIABILITY OF DRIVER. The driver of a motor vehicle shall be

liable for damages caused by the vehicle or its contents, whether or not

the vehicle is being operated by the driver, or by a person who is

operating the vehicle.

(a) The driver of a motor vehicle shall be liable for damages

caused by the vehicle or its contents, whether or not the vehicle is

being operated by the driver, or by a person who is operating the

vehicle.

(b) The driver of a motor vehicle shall be liable for damages

caused by the vehicle or its contents, whether or not the vehicle is

(b) The Bidder will, except to the extent that the Administrator shall otherwise direct, incorporate in the Installations only such unmanufactured articles, materials and supplies as have been mined or produced in the United States and only such manufactured articles, materials and supplies as have been manufactured in the United States substantially all from articles, materials or supplies mined, produced, or manufactured, as the case may be, in the United States.

10. TERMINATION. The time of completion of each Installation as set forth in Paragraph 2 hereof is of the essence of the contract to be effected by acceptance of this proposal. If the successful Bidder neglects, refuses or fails to complete the work within such time, the Owner shall have the right to terminate the contract to be effected by acceptance of this Proposal provided it shall have given ten (10) days prior notice in writing to the Bidder of its intention so to do.

11. CUMULATIVE REMEDIES. Every right or remedy herein conferred upon or reserved to the Owner or the Administrator shall be cumulative and shall be in addition to every right and remedy now or hereafter existing at law or in equity or by statute. The pursuit of any right or remedy shall not be construed as an election.

12. BOND. If the number of consumers to be served as set forth in Paragraph 1 (a) above shall be in excess of \_\_\_\_\_, the Bidder, if this Proposal is accepted, will furnish a contractor's bond in the form attached hereto and made part hereof, with a surety or sureties satisfactory to the Owner and the Administrator, in a penal sum not less than the contract price. In the event that the surety or sureties on such bond shall at any time become unsatisfactory to the Owner or the Administrator, the Bidder will deliver to the Owner another or an additional bond in such form and with such surety or sureties as the Owner and the Administrator may approve.



13. NON-ASSIGNMENT OF CONTRACT. The Bidder will not assign the contract effected by an acceptance of this Proposal, or any part thereof, or enter into any contract with any person, firm or corporation for the performance of the Bidder's obligations thereunder, or any part thereof, without the approval in writing of the Owner and the Administrator.

14. APPROVAL BY THE ADMINISTRATOR. No acceptance of this Proposal shall become effective until approved in writing by the Administrator.

\_\_\_\_\_  
Bidder

By \_\_\_\_\_

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Address)

Date \_\_\_\_\_



ACCEPTANCE

The Owner accepts the following items of the foregoing Proposal to furnish and install approximately \_\_\_\_\_ main service entrances, on the terms and conditions therein stated.

Items \_\_\_\_\_  
\_\_\_\_\_

TOTAL CONTRACT PRICE \$ \_\_\_\_\_

\_\_\_\_\_  
Owner

By \_\_\_\_\_  
President

ATTEST:

\_\_\_\_\_  
Secretary

Date \_\_\_\_\_

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employees of said contractor (subcontractor); that the attached pay roll is a true and accurate report of the full weekly wages due and paid to each person employed by the said contractor (subcontractor) for the construction of .....(project), for the weekly pay roll period from the ..... day of ..... 194 , to the .....day of ..... , 194 ; that no rebates or deductions from any wages due any such person as set out on the attached pay roll have been directly or indirectly made; and that, to the best of my knowledge and belief, there exists no agreement or understanding with any person employed on the project, or any person whatsoever, pursuant to which it is contemplated that I or anyone else shall, directly or indirectly, by force, intimidation, threat or otherwise, induce or receive any deductions or rebates in any manner whatsoever from any sum paid or to be paid to any person at any time for labor performed or to be performed under the contract for the above named project.

Sworn to before me this ..... day of \_\_\_\_\_  
....., 194 .

Section 3. Said affidavit shall be executed and sworn to by the officer or employee of the contractor or subcontractor who supervises the payment of its employees.

Said affidavit shall be delivered, within three days after the payment of the payroll to which it is attached, to the Government representative in charge at the site of the particular project in respect of which it is furnished, who shall forward the same promptly to the Federal agency having control of such project. If no Government representative is in charge at the site, such affidavit shall be mailed within such three-day period to the Federal agency having control of the project.

Section 4. At the time upon which the first affidavit with respect to the wages paid to employees is required to be filed by a contractor or subcontractor pursuant to the requirements of these regulations, there shall also be filed in the manner required by Section 3 hereof a statement under oath by the contractor or subcontractor, setting forth the name of its officer or employee who supervises the payment of employees, and that such officer or employee is in a position to have full knowledge of the facts set

The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, for the period 1900 to 1909, inclusive, regarding the land owned by the United States in the State of California.

The total area of land owned by the United States in California during the period 1900 to 1909, inclusive, was 1,140,000 acres. This land was owned by the United States in California during the period 1900 to 1909, inclusive, in the following manner:

1. Land owned by the United States in California during the period 1900 to 1909, inclusive, in the following manner:

2. Land owned by the United States in California during the period 1900 to 1909, inclusive, in the following manner:

3. Land owned by the United States in California during the period 1900 to 1909, inclusive, in the following manner:

4. Land owned by the United States in California during the period 1900 to 1909, inclusive, in the following manner:

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9. Land owned by the United States in California during the period 1900 to 1909, inclusive, in the following manner:

10. Land owned by the United States in California during the period 1900 to 1909, inclusive, in the following manner:

The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, for the period 1910 to 1919, inclusive, regarding the land owned by the United States in the State of California.

The total area of land owned by the United States in California during the period 1910 to 1919, inclusive, was 1,140,000 acres. This land was owned by the United States in California during the period 1910 to 1919, inclusive, in the following manner:

1. Land owned by the United States in California during the period 1910 to 1919, inclusive, in the following manner:

2. Land owned by the United States in California during the period 1910 to 1919, inclusive, in the following manner:

3. Land owned by the United States in California during the period 1910 to 1919, inclusive, in the following manner:

4. Land owned by the United States in California during the period 1910 to 1919, inclusive, in the following manner:

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8. Land owned by the United States in California during the period 1910 to 1919, inclusive, in the following manner:

9. Land owned by the United States in California during the period 1910 to 1919, inclusive, in the following manner:

10. Land owned by the United States in California during the period 1910 to 1919, inclusive, in the following manner:

forth in the form of affidavit required by Section 2 hereof. A similar affidavit shall be immediately filed in the event of a change in the officer or employee who supervises the payment of employees. In the event that the contractor or subcontractor is a corporation, such affidavit shall be executed by its president or a vice-president. In the event that the contractor or subcontractor is a partnership, such affidavit shall be executed by a member of the firm.

Section 5. These regulations shall be made a part of each contract executed after the effective date hereof by the Government for any of the purposes enumerated in Section 2 hereof.

Section 6. These regulations shall become effective on January 15, 1935.

H. Morgenthau, Jr.  
Secretary of the Treasury

Harold L. Ickes  
Secretary of the Interior

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CONTRACTOR'S BOND

1. Know all men that we, \_\_\_\_\_,  
\_\_\_\_\_, as Principal, and \_\_\_\_\_

\_\_\_\_\_, as Surety, are held and

firmly bound unto \_\_\_\_\_  
(hereinafter called the "Owner") and unto the United States of America (herein-  
after called the "Government") and unto all persons, firms, and corporations who  
or which may furnish materials (except meters and service equipment enclosures)  
for or perform labor in connection with the furnishing and installing of the  
main service entrance (hereinafter called the "Installations") to the premises  
of consumers of electric energy to be served through the rural electric trans-  
mission or distribution system (hereinafter called the "System") of the Owner,  
designated by the Rural Electrification Administration as \_\_\_\_\_

\_\_\_\_\_ ,  
and to their successors and assigns, in the penal sum of \_\_\_\_\_

\_\_\_\_\_ dollars (\$ \_\_\_\_\_), as hereinafter set forth and for the  
payment of which sum well and truly to be made we bind ourselves, our executors,  
administrators, successors, and assigns jointly and severally by these presents.  
Said Installations are described in a certain contract (hereinafter called the  
"Installation Contract") between the Owner and the Principal, dated \_\_\_\_\_

\_\_\_\_\_, 19\_\_\_\_, pursuant and subject to a loan contract or loan  
contracts (hereinafter called the "Loan Contract") between the Owner and the  
Government, acting through the Administrator of the Rural Electrification Ad-  
ministration (hereinafter called the "Administrator").

2. The condition of this obligation is such that if the Principal shall  
well and truly perform and fulfill all the undertakings, covenants, terms, con-  
ditions, and agreements of the Installation Contract and any amendments thereto,  
whether such amendments are for additions, decreases, or changes in the Instal-  
lations or the materials, their locations, quantity, kind, or price, or any other  
purpose whatsoever, and whether such amendments are made with or without notice  
to the Surety, and shall fully indemnify and save harmless the Owner and the  
Government from all costs and damages which they, or either of them, shall suf-  
fer or incur by reason of any failure so to do, and shall fully reimburse and  
repay the Owner and the Government for all outlay and expense which they, or  
either of them, shall incur in making good any such failure of performance on  
the part of the Principal, and shall promptly make payment to all persons supply-  
ing labor and materials (except meters and service equipment enclosures) for use  
in the Installations contemplated in the Installation Contract and any amend-  
ments thereto, and shall well and truly reimburse the Owner and the Government,  
as their respective interests may appear, for any excess in the cost of the In-  
stallations over the cost thereof as provided in the Installation Contract and  
any amendments thereto, occasioned by any default of the Principal under the In-  
stallation Contract and any amendments thereto, then this obligation shall be  
null and void, but otherwise shall remain in full force and effect.

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3. It is expressly agreed that this bond shall be deemed amended automatically and immediately, without formal and separate amendment hereto, upon any amendment to the Installation Contract, so as to bind the Principal and the Surety to the full and faithful performance of the Installation Contract as so amended, provided only that the total amount of all increases in the cost of the Installations shall not exceed 20 percent of the amount of the maximum price set forth in the Installation Contract. The term "amendment," wherever used in this bond, and whether referring to this bond, the Installation Contract or the Loan Contract, shall include any alteration, addition, extension, modification, amendment, rescission, waiver, release, or annulment, of any character whatsoever.

4. It is expressly agreed that any amendment which may be made by agreement or otherwise between the Principal and the Owner in the terms, provisions, covenants, and conditions of the Installation Contract, or in the terms, provisions, covenants, and conditions of the Loan Contract (including, without limitation, the granting by the Administrator to the Owner of any extension of time for the performance of the obligations of the Owner under the Loan Contract or the granting by the Administrator or the Owner to the Principal of any extension of time for the performance of the obligations of the Principal under the Installation Contract, or the failure or refusal of the Administrator or the Owner to take any action, proceeding or step to enforce any remedy or exercise any right under either the Installation Contract or the Loan Contract, or the taking of any action, proceeding or step by the Administrator or the Owner, acting in good faith upon the belief that the same is permitted by the provisions of the Installation Contract or the Loan Contract) shall not in any way release the Principal and the Surety, or either of them, or their respective executors, administrators, successors, or assigns, from liability hereunder. The Surety hereby acknowledges receipt of notice of any amendment, indulgence, or forbearance, made, granted, or permitted.

5. This bond is made for the benefit of all persons, firms, and corporations who or which may furnish any materials (except meters and service equipment enclosures) or perform any labor for or on account of the Installations to be performed under the Installation Contract and any amendments thereto, and they, and each of them, are hereby made obligees hereunder with the same force and effect as if their names were written herein as such, and they, and each of them, may sue hereon.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this

\_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

\_\_\_\_\_  
Principal. (SEAL)

Attest:

By \_\_\_\_\_

\_\_\_\_\_  
Secretary.

1. In the event of a change of ownership of the property, the owner shall be responsible for the payment of the taxes and other charges which may be levied on the property. The owner shall also be responsible for the payment of the taxes and other charges which may be levied on the property.

2. The owner shall be responsible for the payment of the taxes and other charges which may be levied on the property. The owner shall also be responsible for the payment of the taxes and other charges which may be levied on the property.

3. The owner shall be responsible for the payment of the taxes and other charges which may be levied on the property. The owner shall also be responsible for the payment of the taxes and other charges which may be levied on the property.

4. The owner shall be responsible for the payment of the taxes and other charges which may be levied on the property. The owner shall also be responsible for the payment of the taxes and other charges which may be levied on the property.

5. The owner shall be responsible for the payment of the taxes and other charges which may be levied on the property. The owner shall also be responsible for the payment of the taxes and other charges which may be levied on the property.

6. The owner shall be responsible for the payment of the taxes and other charges which may be levied on the property. The owner shall also be responsible for the payment of the taxes and other charges which may be levied on the property.

7. The owner shall be responsible for the payment of the taxes and other charges which may be levied on the property. The owner shall also be responsible for the payment of the taxes and other charges which may be levied on the property.

8. The owner shall be responsible for the payment of the taxes and other charges which may be levied on the property. The owner shall also be responsible for the payment of the taxes and other charges which may be levied on the property.

\_\_\_\_\_  
Surety. (SEAL)

Attest:

By \_\_\_\_\_

\_\_\_\_\_  
Secretary.

By \_\_\_\_\_  
Resident Agent of Surety.

\_\_\_\_\_  
(The Contractor's Bond must be signed with the full name of the Contractor. If the Contractor is a partnership the Contractor's Bond must be signed in the partnership name by each partner. If the Contractor is a corporation the Contractor's Bond must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the corporation. A typewritten copy of all such names and signatures shall be appended. The Contractor's Bond must be countersigned by a duly authorized resident agent of the Surety.)





